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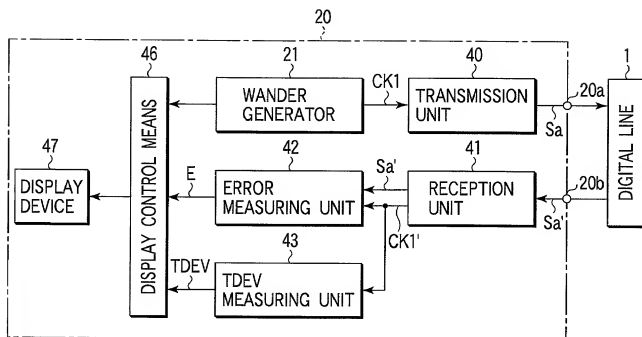


FIG. 1

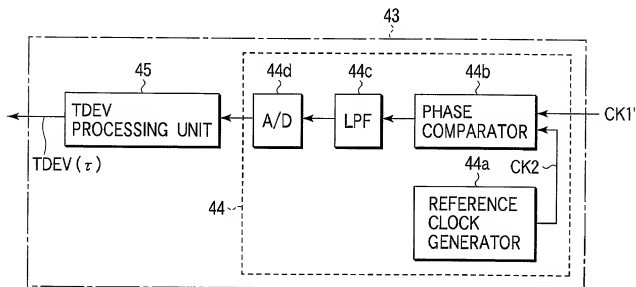


FIG. 2

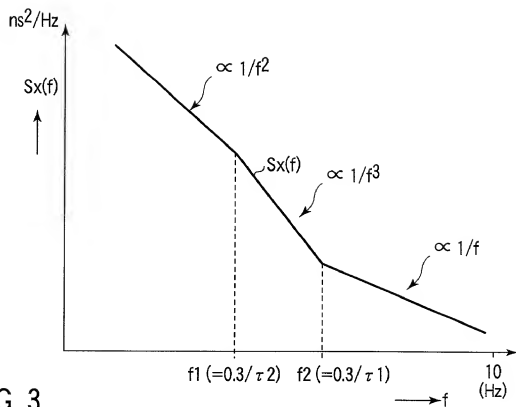


FIG. 3

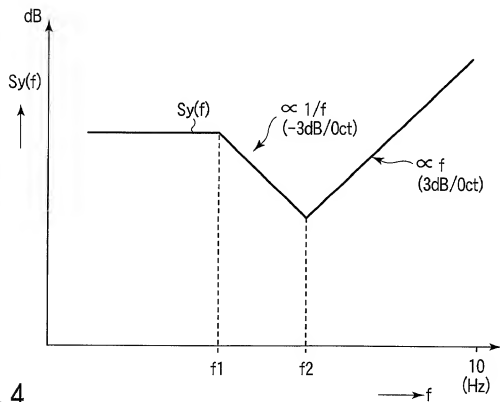


FIG. 4

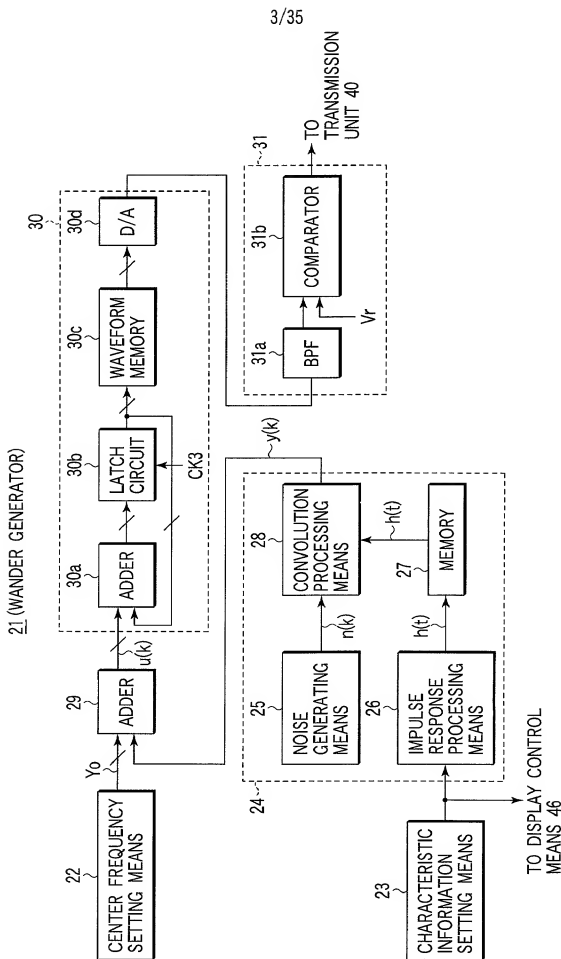


FIG. 5

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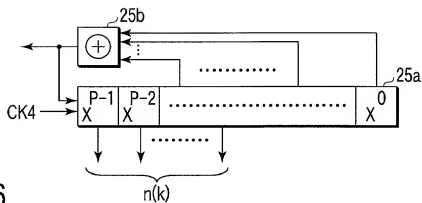


FIG. 6

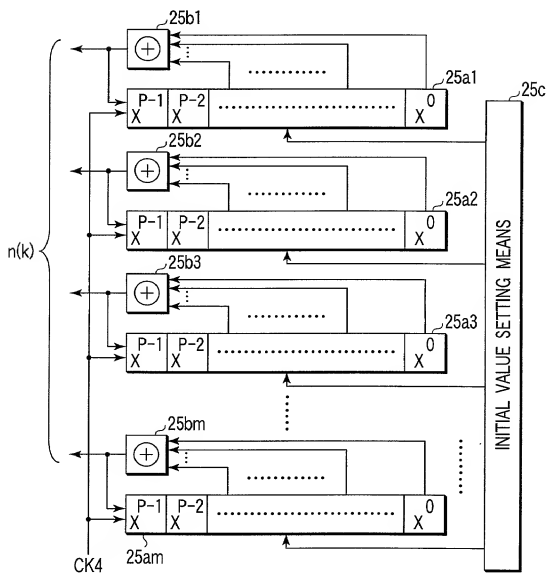


FIG. 7

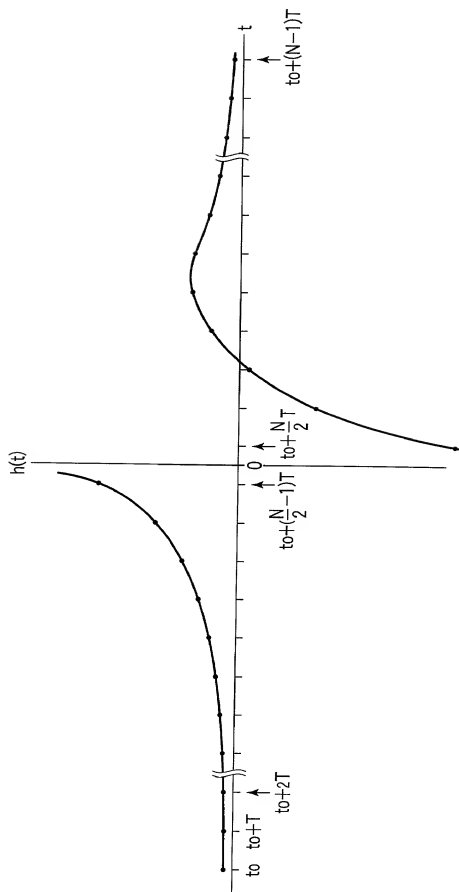


FIG. 8

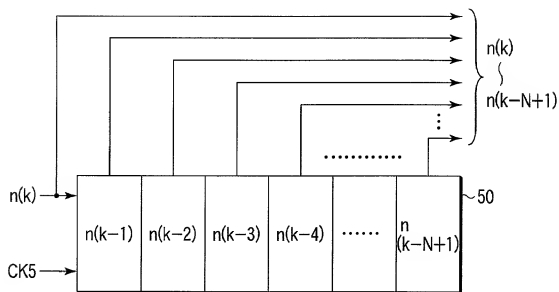


FIG. 9

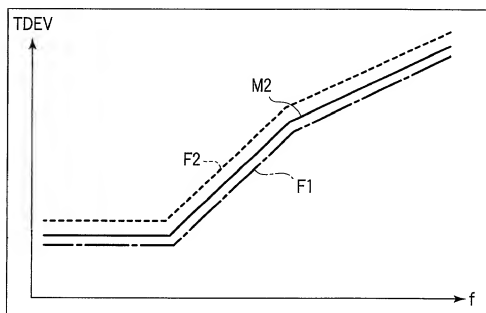


FIG. 11

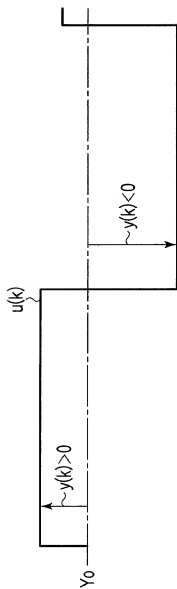


FIG. 10A

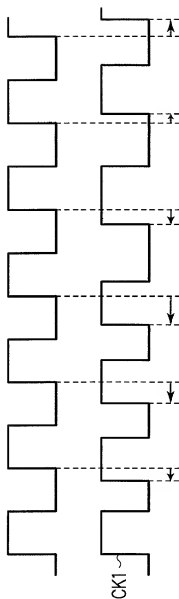


FIG. 10B

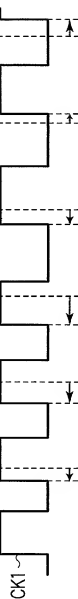


FIG. 10C

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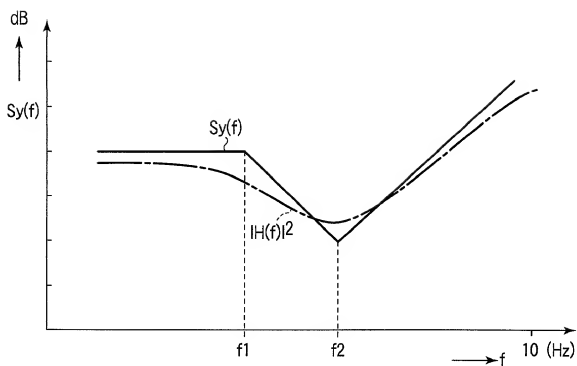


FIG. 12

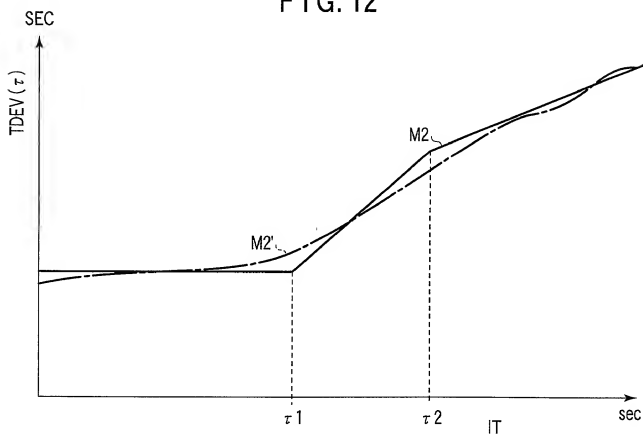


FIG. 13

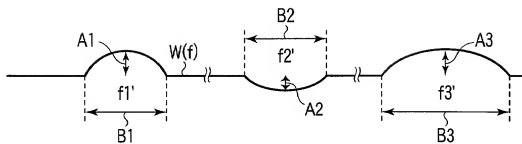


FIG. 14

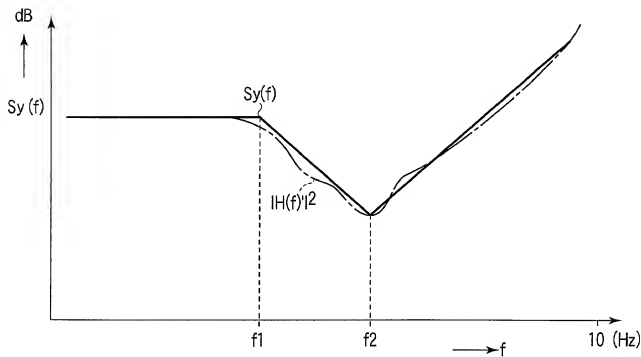


FIG. 15

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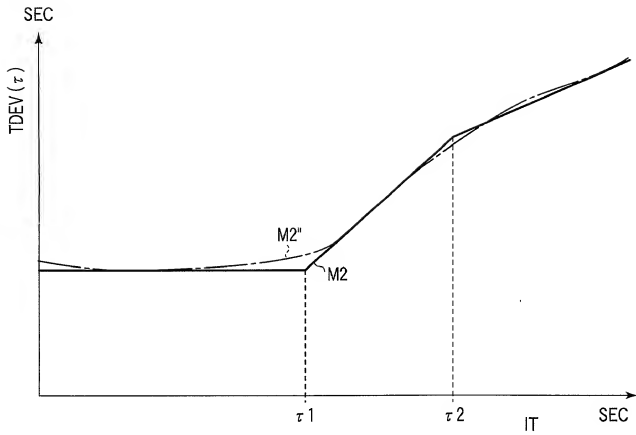


FIG. 16

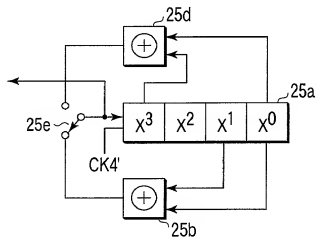


FIG. 17

NORMAL ORDER

STATE	x^3	x^2	x^1	x^0
1	1	1	1	1
2	0	1	1	1
3	0	0	1	1
④	0	0	0	1
5	1	0	0	0
6	0	1	0	0
7	0	0	1	0
⑧	1	0	0	1
9	1	1	0	0
10	0	1	1	0
11	1	0	1	1
12	0	1	0	1
13	1	0	1	0
14	1	1	0	1
15	1	1	1	0

FIG. 18A

REVERSE ORDER

STATE	x^3	x^2	x^1	x^0
1	1	1	1	1
2	0	1	1	1
3	1	0	1	1
4	0	1	0	1
5	1	0	1	0
6	1	1	0	1
7	0	1	1	0
8	0	0	1	1
⑨	1	0	0	1
10	0	1	0	0
11	0	0	1	0
⑫	0	0	0	1
13	1	0	0	0
14	1	1	0	0
15	1	1	1	0

FIG. 18B

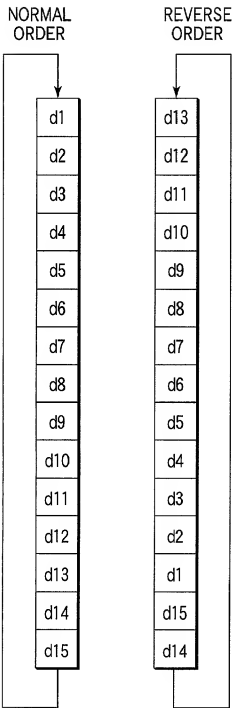


FIG. 19A

FIG. 19B

STATE CORRESPONDENCE	
NORMAL ORDER	REVERSE ORDER
1	1
2	2
3	8
4	12
5	13
6	10
7	11
8	9
9	14
10	7
11	3
12	4
13	5
14	6
15	15

FIG. 20

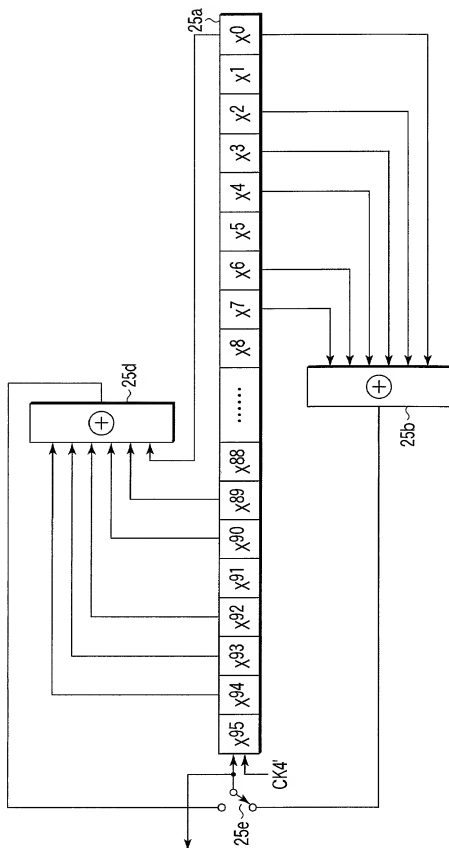


FIG. 21

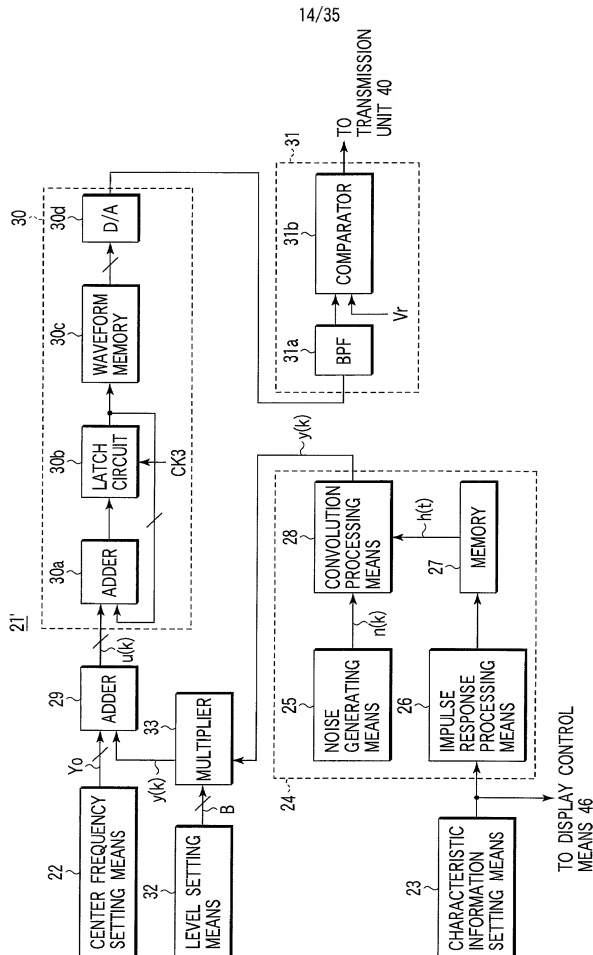
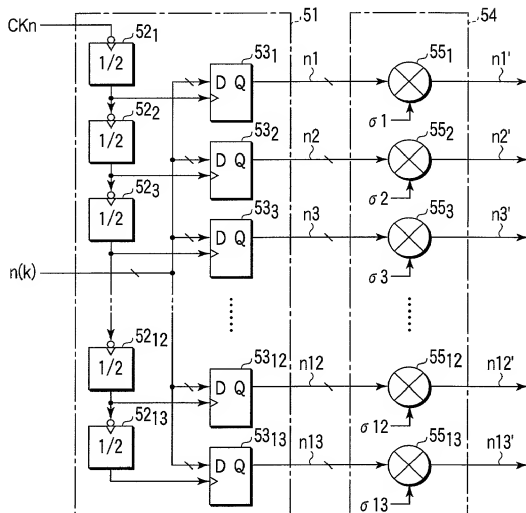
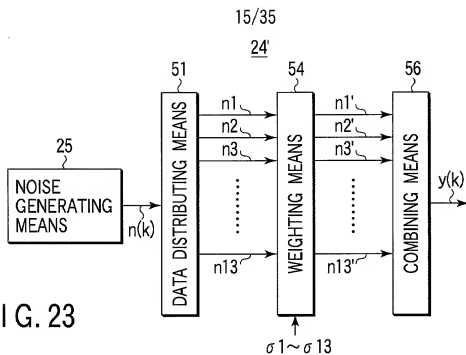
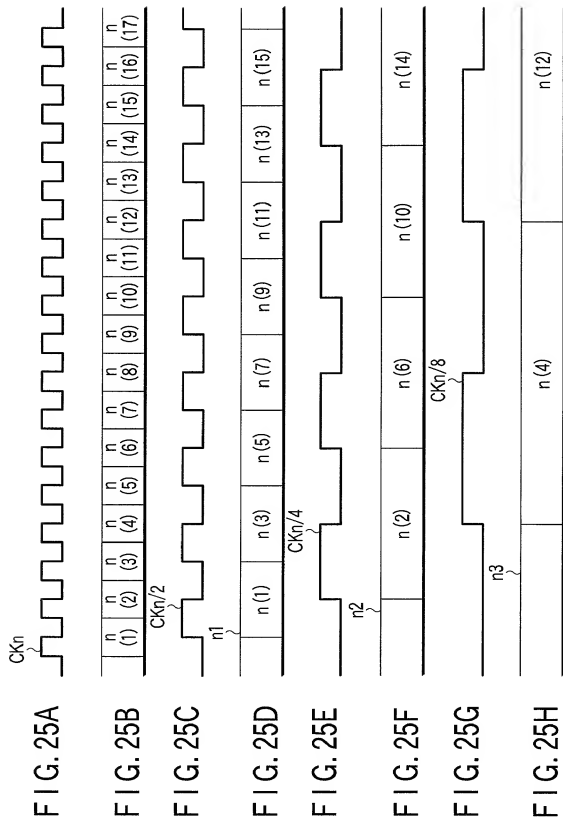
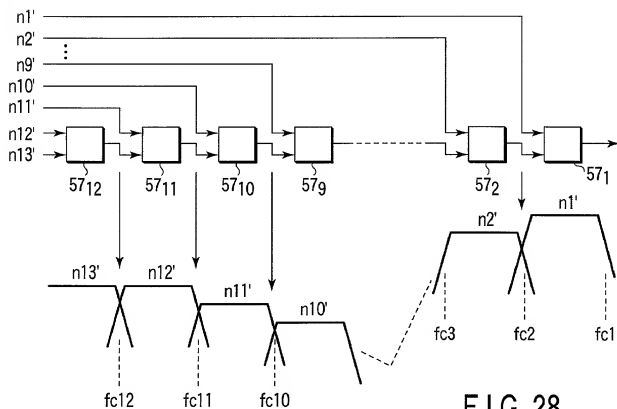
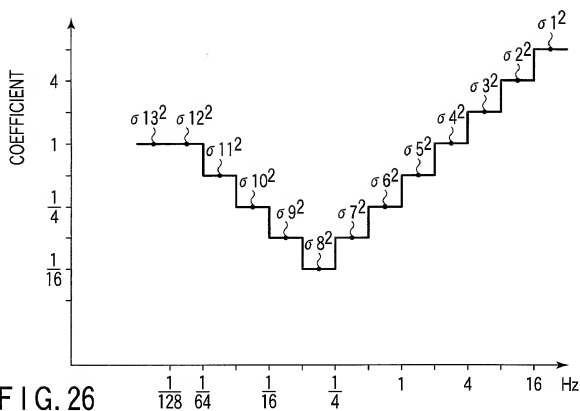


FIG. 22







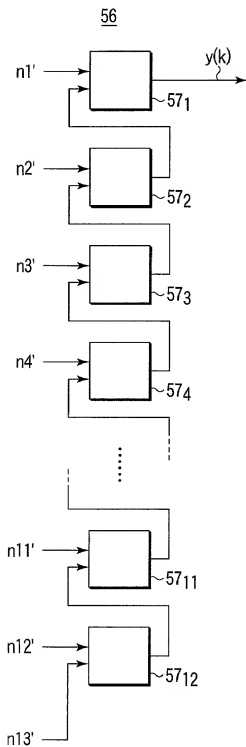


FIG. 27

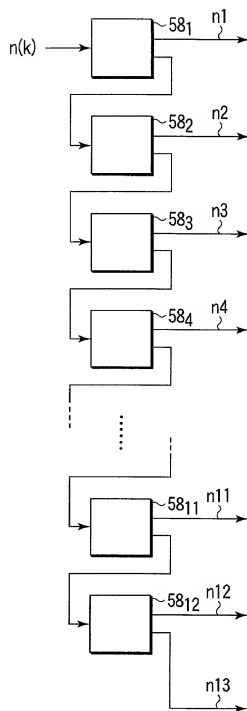


FIG. 30

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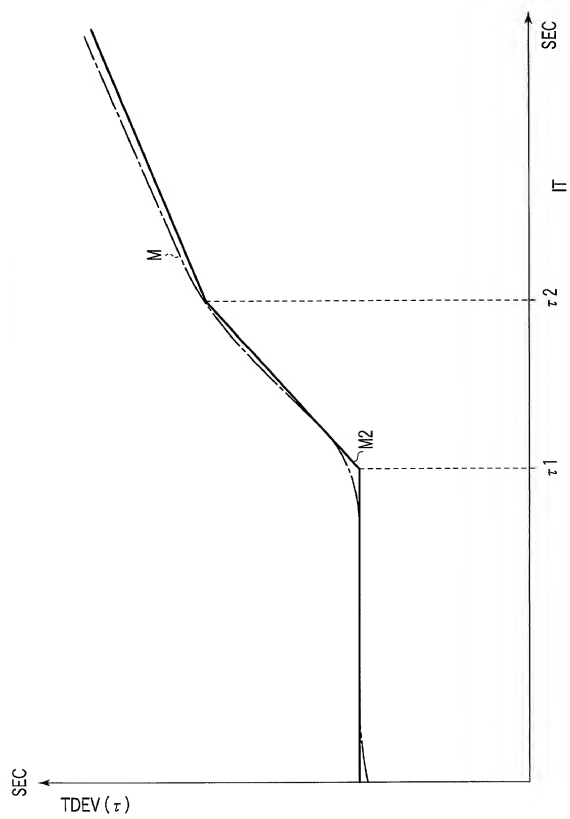


FIG. 29

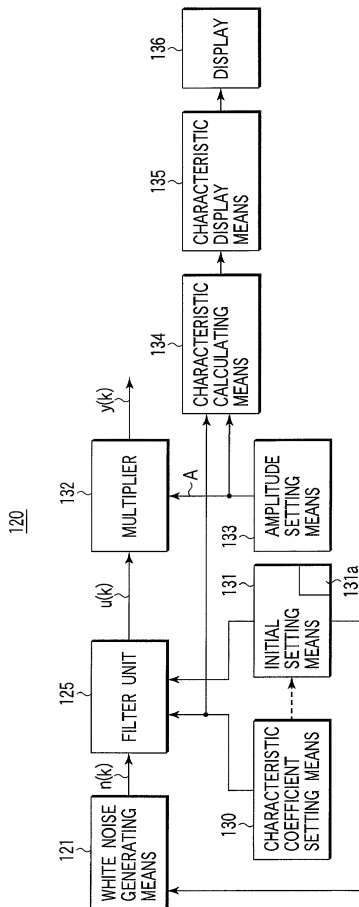


FIG. 31

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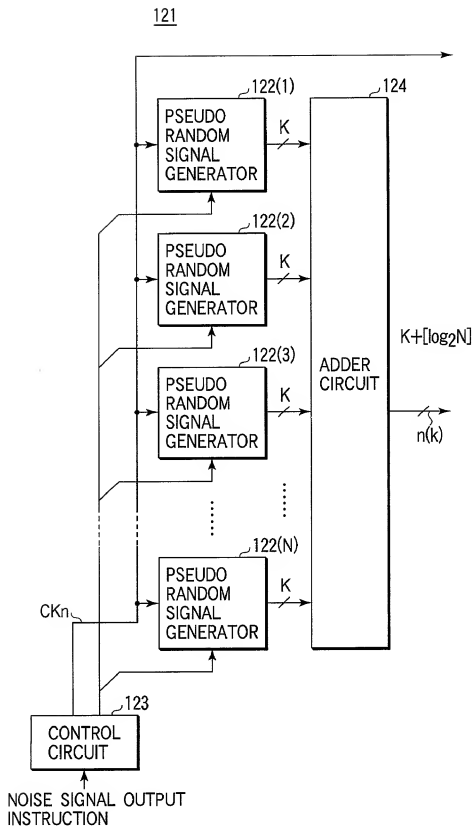


FIG. 32

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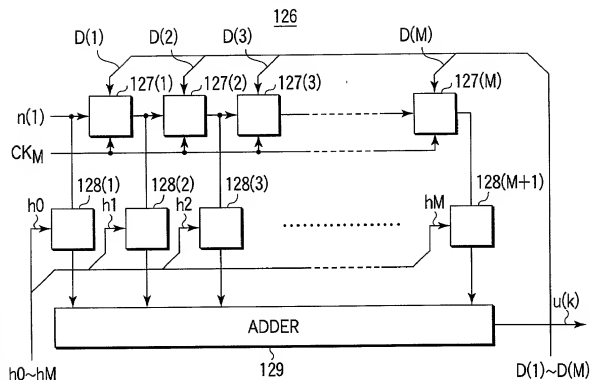


FIG. 33

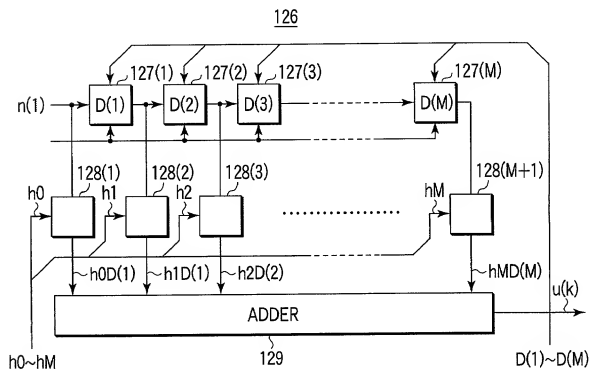


FIG. 34

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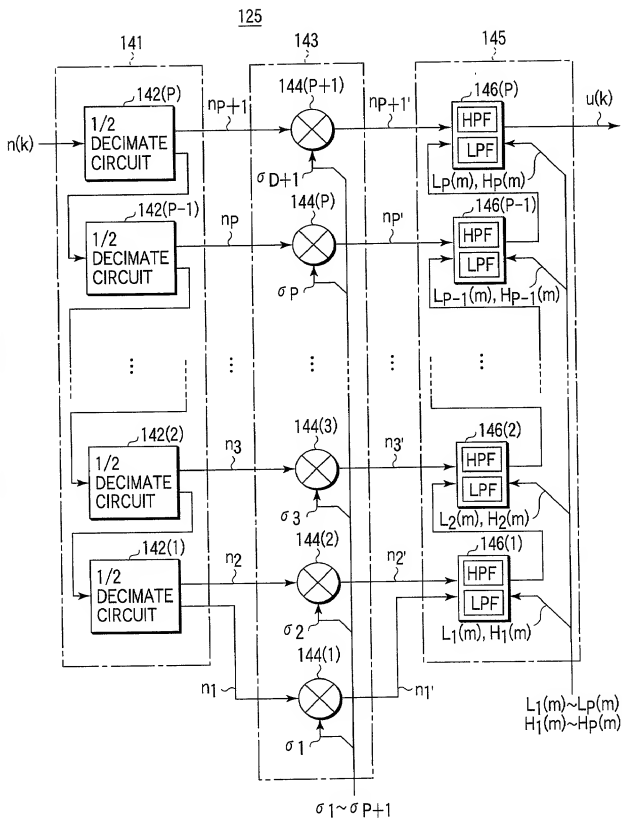


FIG. 35

$$n(k) \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(1) & n(2) & n(3) & n(4) & n(5) & n(6) & n(7) & n(8) & n(9) & n(10) & n(11) & n(12) & n(13) & n(14) & n(15) & n(16) & n(17) & n(18) \\ \hline \end{array}$$

FIG. 36A

$$np+1 \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(1) & n(3) & n(5) & n(7) & n(9) & n(11) & n(13) & n(15) & n(17) \\ \hline \end{array}$$

FIG. 36B

$$np \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(2) & n(6) & n(10) & n(14) & n(18) \\ \hline \end{array}$$

FIG. 36C

$$np-1 \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(4) & n(12) \\ \hline \end{array}$$

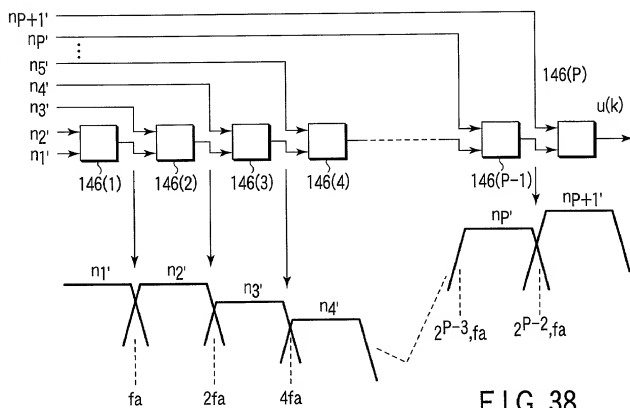
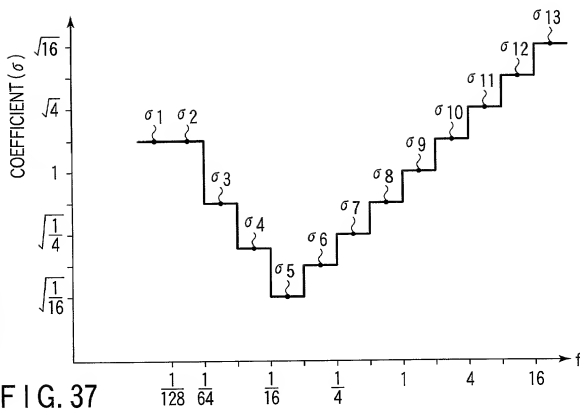
FIG. 36D

$$np-2 \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(8) \\ \hline \end{array}$$

FIG. 36E

$$np-3 \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|} \hline n(16) \\ \hline \end{array}$$

FIG. 36F



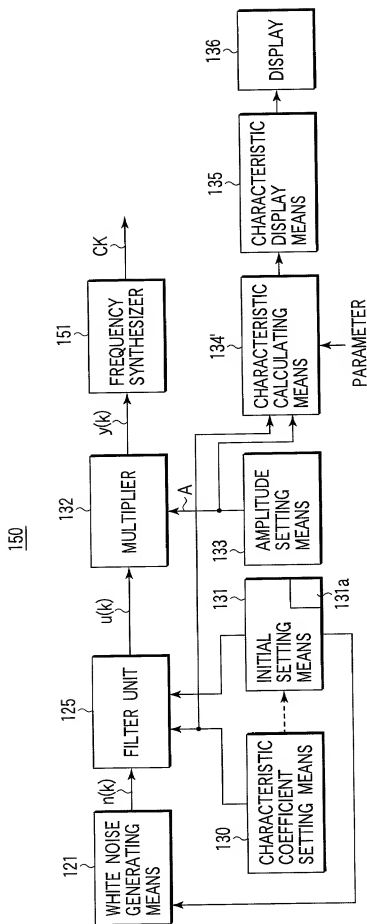


FIG. 39

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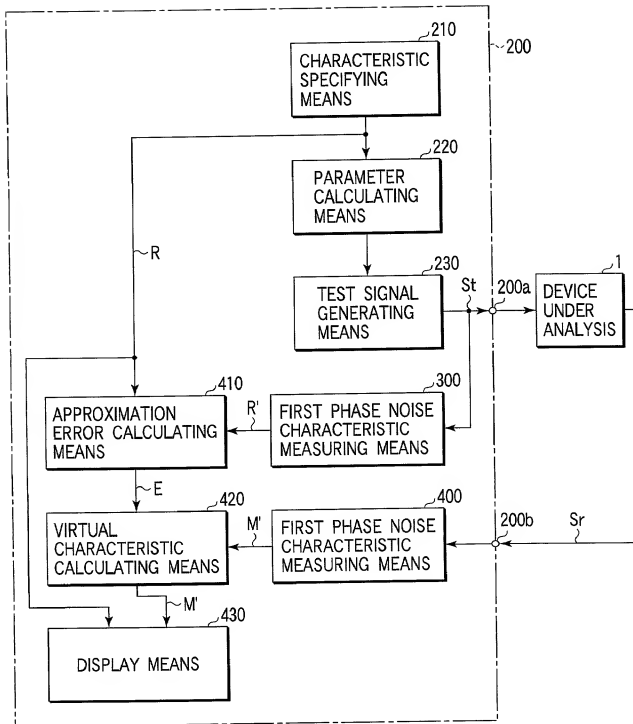


FIG. 40

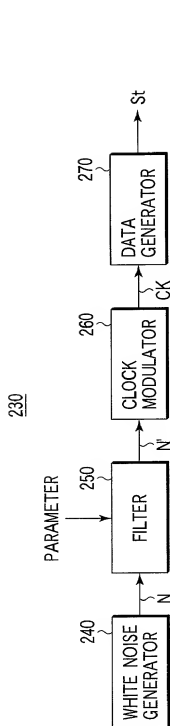


FIG. 41

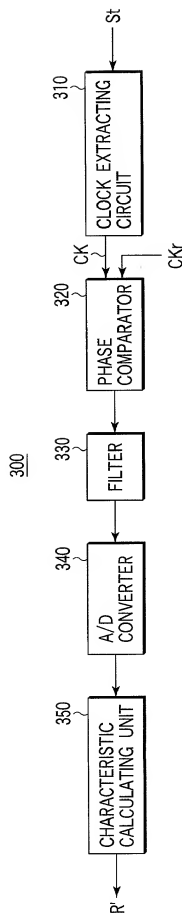


FIG. 42

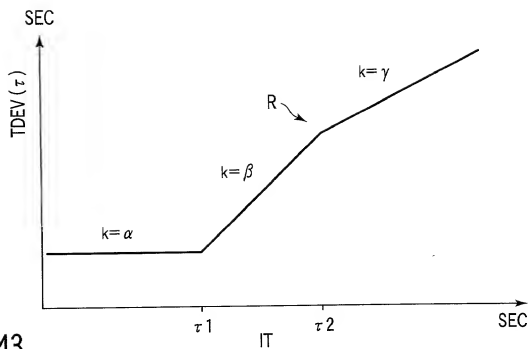


FIG. 43

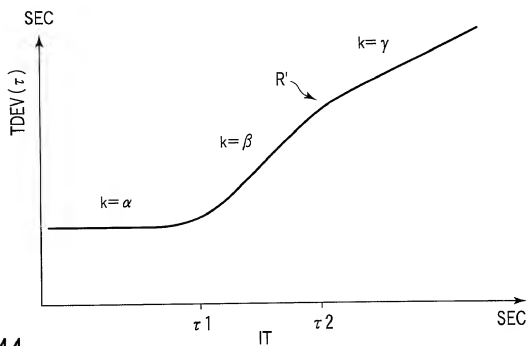


FIG. 44

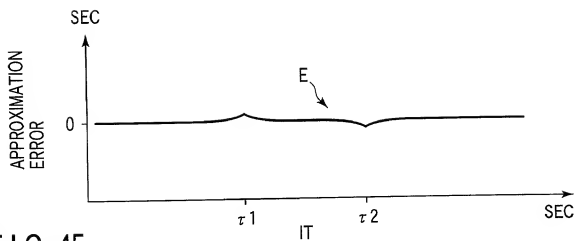


FIG. 45

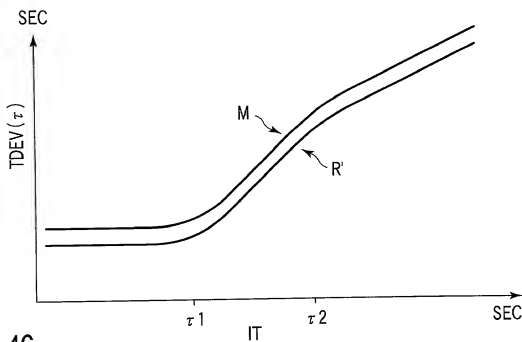


FIG. 46

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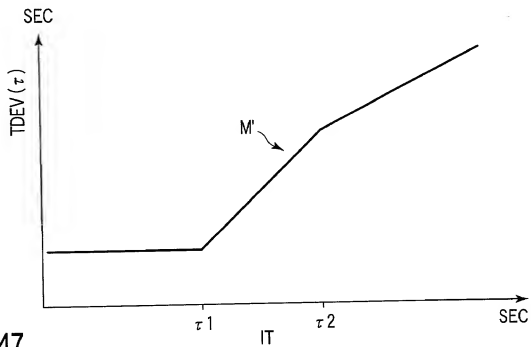


FIG. 47

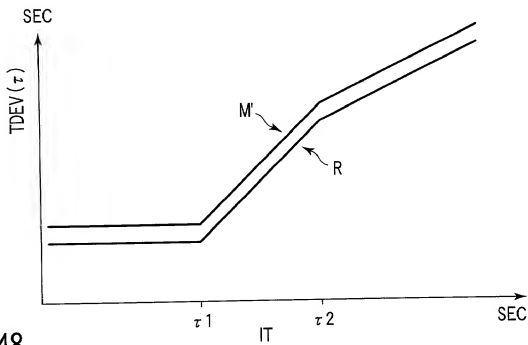


FIG. 48

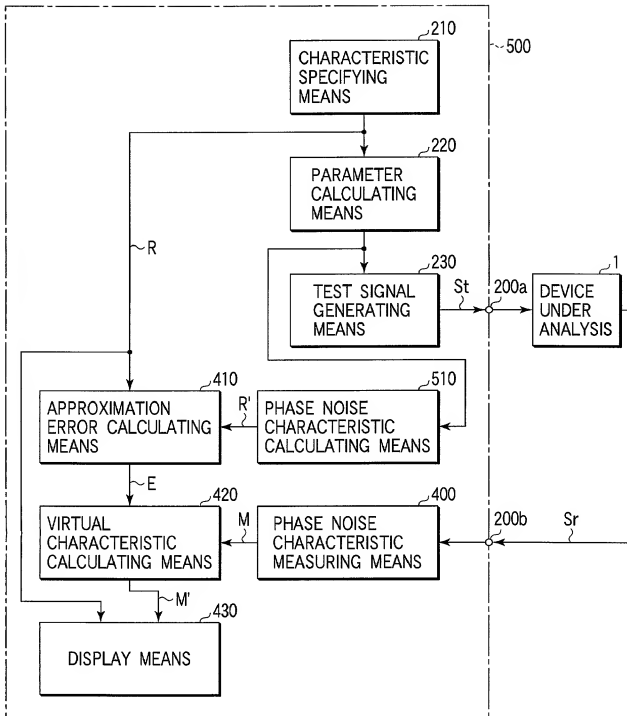


FIG. 49

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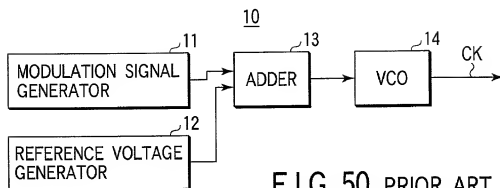


FIG. 50 PRIOR ART

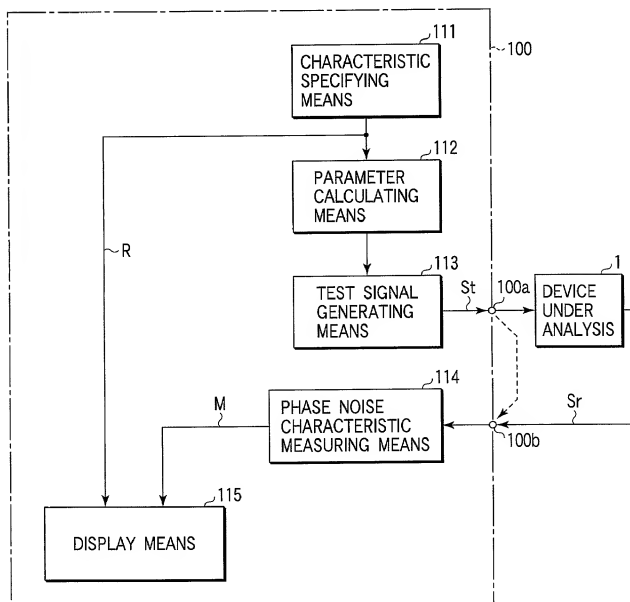


FIG. 52 PRIOR ART

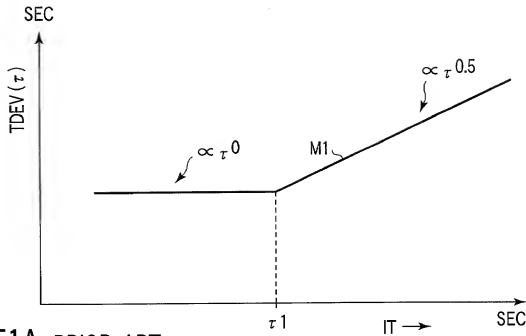


FIG. 51A PRIOR ART

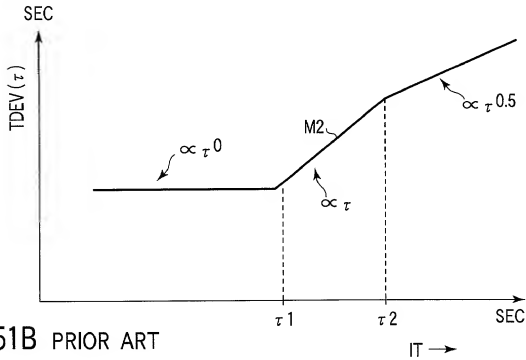


FIG. 51B PRIOR ART